

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

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Attorney Docket Number

50785/JEC/G476

Application Number

09/697,775

Filing Date

October 26, 2000

Applicant(s)

Paul Milazzo, et al.

Group Art Unit

2611

Examiner Name

Andrew Y. Koenig

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
AK		4,743,959	05-10-1988	Frederiksen
AK		4,748,512	05-31-1988	Armstrong
AK		5,008,745	04-16-1991	Willoughby
AK		5,903,317	02-20-1990	Nishihira et al.
AK		5,101,280	03-31-1992	Moranaga et al.
AK		5,124,811	06-23-1992	Ohsawa et al.
AK		5,130-792	07-14-1992	Tindell et al.
AK		5,267,333	11-30-1993	Aono et al.
AK		5,452,372,	09-19-1995	Shirasaka et al.
AK		5,499,050	03-12-1996	Baldes et al.
AK		5,754,233	05-19-1998	Takashima
AK		5,757,968	05-26-1998	Ando
AK		5,768,431	06-16-1998	Saunders et al.
AK		5,771,073	06-23-1998	Lim
AK		5,774,664	05-30-1998	Hidary et al.
AK		5,790,269	08-04-1998	Masaki et al.
AK		5,832,121	11-03-1998	Ando
AK		5,835,146	11-10-1998	Stone
AK		5,838,828	11-17-1998	Mizuki et al.
AK		5,845,083	12-01-1998	Hamadani et al.
AK		5,883,633	03-16-1999	Gill et al.
AK		5,883,670	03-16-1999	Sporer et al.
AK		5,883,975	03-16-1999	Narita et al.
AK		5,889,746	03-30-1999	Moriyama et al.

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
AN		5,912,675	06-15-1999	Laperriere
AN		5,912,994	06-15-1999	Norton et al.
AN		5,933,532	08-03-1999	Mihara
AN		5,969,755	10-19-1999	Courtney
AN		5,978,029	11-02-1999	Boice et al.
AN		6,008,857	12-28-1999	Keery et al.
AN		6,009,229	12-28-1999	Kawamura
AN		6,014,693	01-11-2000	Ito et al.
AN		6,016,152	01-18-2000	Dickie
AN		6,084,588	07-04-2000	De Haan
AN		6,081,299	06-27-2000	Kesselring
AN		6,084,588	07-04-2000	De Haan
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AN		6,239,815	05-29-2001	Frink et al.
AN		6,341,178 B1	01-22-2002	Parker
AN		6,357,042 B1	03-12-2002	Srinivasan et al.
AN		6,415,438 B1	07-02-2002	Blackketter et al.
AN		6,501,853 B1	12-31-2002	Gregg et al.
AN		6,615,408 B1	09-02-2003	Kaiser et al.

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**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
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FORM PTO/SB/08A/B (10-01)  
Substitute for PTO-1449A/B

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AK		EP 0 498 511 A1	08-12-1992	Moolenaar	
		EP 1 051 039 A2	11-08-2000	Macrae et al.	
AK		JP 0 717 0410	07-04-1995		
AK		JP 1 102 7540	01-29-1999	Nobuhito	X
AK		JP 5 512 4361	09-25-1980	Hiroshi <i>Abstract only</i>	X
AK		WO 96/36007	11-14-1996	Isadore-Barreca et al.	
AK		WO 97/22083	06-19-1997	Mizuki	
AK		WO 98/11512	03-09-1998	Seigny	
AK		WO 99/52075	10-14-1999	Wise et al.	
AK		WO 99/52081	10-14-1999	Miller et al.	
AK		WO 99/52282	10-14-1999	Hurst	
AK		WO 99/52290	10-14-1999	Frink et al.	
AK		WO 99/52294	10-14-1999	Kurtze et al.	
AK		WO 99/52296	10-14-1999	Sethuraman	
AK		WO 99/54879	10-28-1999	Gagne	
AK		WO 00/18136	03-30-2000	Krishnamurthy et al.	
AK		WO 00/21207	04-13-2000	Lee	
AK		WO 00/46753	08-10-2000	Kamen et al.	
AK		WO 00/46754	08-10-2000	Kamen et al.	
AK		WO 00/63848	10-26-2000	Miller et al.	

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
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EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>M</i>		Brigger et al.; <i>Morphological Shape Representation for Very Low Bit-Rate Video Coding</i> ; pp. 297-311, Signal Processing: Image Communication, NL., Elsevier Science Publishers, Amsterdam, Vol. 7, No. 4, 1995
<i>M</i>		Co-pending U.S. Application No 09/943,583, filed August 30, 2001, entitled METHOD AND APPARATUS FOR HYPERLINKING IN A TELEVISION BROADCAST
<i>M</i>		Co-pending U.S. Application No. 09/715,944, filed November 17, 2000, entitled METHOD AND APPARATUS FOR HYPERLINKED TELEVISION BROADCAST
<i>M</i>		Co-pending U.S. Application No. 09/695,900, filed October 25, 2000, entitled METHOD AND APPARATUS FOR INTERACTION WITH HYPERLINKS IN A TELEVISION BROADCAST
<i>M</i>		Co-pending U.S. Patent Application No. 09/747,677; filed December 22, 2000, entitled Entitled: A Method and Apparatus for Switching Between Multiple Programs by Interacting with a Hyperlinked Television Broadcast
<i>M</i>		Co-pending U.S. Patent Application No. 09-697,483, filed October 26, 2000, entitled METHOD AND APPARATUS FOR ENCODING VIDEO HYPERLINKS
<i>M</i>		Co-pending U.S. Patent Application No. 09/697,774, filed October 26, 2000, entitled: METHODS FOR OUTLINING AND FILLING REGIONS IN MULTI-DIMENSIONS ARRAYS
<i>M</i>		Co-pending U.S. Patent Application No. 09/697,479, filed October 26, 2000, entitled SINGLE-PASS MULTILEVEL FOR APPLYING MORPHOLOGICAL OPERATORS IN MULTIPLE DIMENSIONS
		Co-pending U.S. Patent Application No. 09/694,079, filed 10-20-2000, entitled METHOD AND APPARATUS FOR HYPERLINKING IN A TELEVISION BROADCAST
<i>M</i>		Nakanishi; <i>An Image Reduction Method Using MR Codes</i> ; pp. 1-10, Systems and Computer in Japan; Vol. 28, No. 7; 1997

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<i>AK</i>		Pardas et al; <i>3D Morphological Segmentation for Image Sequence Processing</i> ; pp. 6.1_3.1-6.1_3.6; Nonlinear Digital Signal Processing; January 17-20, 1993; Barcelona, Spain. [online], [retrieved from the Internet] <URL:http://ieeexplore.ieee.org/ie15/6208/16581/00767733.pdf> [retrieved on 2001-07-16] abstract
02+-		PCT International Search Report for International Application No. PCT/US01/06411, mailed on December 13, 2001
		Salembier et al.; <i>Segmentation-Based Video Coding System Allowing the Manipulation of Objects</i> ; pp 60-73, IEEE Transactions on Circuits and Systems for Video Technology, IEE Inc., New York, US, Vol. 7, No. 1, February 1997
<i>AK</i>		Vass et al.; <i>Automatic Spatio-Temporal Video Sequence Segmentation</i> ; pp 958-962, Proceedings of the 1998 International Conference on Image Processing; October 4-7, 1998, Chicago, Illinois, USA, [online], [retrieved from the Internet] <URL:http://ieeexplore.ieee.org/ie14/5852/15617/00723681.pdf>, [retrieved on 07-16-2001]m abstract

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FORM PTO - 1449

## INFORMATION DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: WMI-004CN4

APPLICANTS: Dakss et al.

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SERIAL NO.: 09/697,775

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## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>AK</i>	A1	4,016,361	04/05/77	Pandey	358	83	09/02/75
<i>AK</i>	A2	4,122,477	10/24/78	Gallo	358	4	01/28/77
<i>AK</i>	A3	4,264,924	04/28/81	Freeman	358	86	08/13/79
<i>AK</i>	A4	4,264,925	04/28/81	Freeman et al.	358	86	08/13/79
<i>AK</i>	A5	4,507,680	03/26/85	Freeman	358	86	06/22/82
<i>AK</i>	A6	4,532,547	07/30/85	Bennett	358	148	03/31/82
<i>AK</i>	A7	4,573,072	02/25/86	Freeman	358	86	03/21/84
<i>AK</i>	A8	4,602,279	07/22/86	Freeman	358	86	03/21/84
<i>AK</i>	A9	4,792,849	12/20/88	McCalley et al.	358	86	08/04/87
<i>AK</i>	A10	4,803,553	02/07/89	Schrock et al.	358	149	01/11/88
<i>AK</i>	A11	4,811,407	03/07/89	Blokker, Jr. et al.	382	1	01/22/86
<i>AK</i>	A12	4,829,372	05/09/89	McCalley et al.	358	86	08/20/87
<i>AK</i>	A13	4,847,698	07/11/89	Freeman	358	343	07/16/87
<i>AK</i>	A14	4,847,699	07/11/89	Freeman	358	343	07/16/87
<i>AK</i>	A15	4,847,700	07/11/89	Freeman	358	343	07/16/87
<i>AK</i>	A16	4,941,040	07/10/90	Pocock et al.	358	86	02/10/88
<i>AK</i>	A17	4,959,718	09/25/90	Bennett	358	148	11/14/89
<i>AK</i>	A18	5,008,751	04/16/91	Wischermann	358	148	02/08/90
<i>AK</i>	A19	5,014,125	05/07/91	Pocock et al.	358	86	05/05/89
<i>AK</i>	A20	5,045,940	09/03/91	Peters et al.	358	143	12/22/89
<i>AK</i>	A21	5,195,092	03/16/93	Wilson et al.	370	94.2	08/30/91
<i>AK</i>	A22	5,208,665	05/04/93	McCalley et al.	358	86	02/15/91
<i>AK</i>	A23	5,347,322	09/13/94	Levine et al.	348	718	04/23/93
<i>AK</i>	A24	5,404,173	04/04/95	Parrish et al.	358	537	03/10/93

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<i>AK</i>	A25	5,452,006	09/19/95	Auld	348	390	10/25/93
<i>AK</i>	A26	5,504,534	04/02/96	Sakaegi	348	513	07/17/92
<i>AK</i>	A27	5,526,024	06/11/96	Gaglianella et al.	345	185	08/12/94
<i>AK</i>	A28	5,533,021	07/02/96	Branstad et al.	370	60.1	02/03/95
<i>AK</i>	A29	5,583,561	12/10/96	Baker et al.	348	7	06/07/94
<i>AK</i>	A30	5,585,858	12/07/96	Harper et al.	348	485	08/12/94
<i>AK</i>	A31	5,590,262	12/31/96	Isadore-Barreca	395	806	11/02/93
<i>AK</i>	A32	5,600,775	02/04/97	King et al.	395	806	08/26/94
<i>AK</i>	A33	5,603,058	02/11/97	Belknap et al.	395	855	09/08/94
<i>AK</i>	A34	5,630,067	05/13/97	Kindell et al.	395	200.09	06/04/96
<i>AK</i>	A35	5,632,007	05/20/97	Freeman	395	75	09/23/94
<i>AK</i>	A36	5,640,601	06/17/97	Peters	395	854	01/22/96
<i>AK</i>	A37	5,644,354	07/01/97	Thompson et al.	348	13	10/09/92
<i>AK</i>	A38	5,655,050	08/05/97	Yamamoto et al.	386	104	06/06/96
<i>AK</i>	A39	5,689,799	11/18/97	Dougherty et al.	455	2	04/26/95
<i>AK</i>	A40	5,708,845	01/13/98	Wistendahl et al.	395	806	09/29/95
<i>AK</i>	A41	5,715,176	02/03/98	Mobini	364	514 R	01/23/96
<i>AK</i>	A42	5,724,091	03/03/98	Freeman et al.	348	13	05/18/95
<i>AK</i>	A43	5,754,250	05/19/98	Cooper	348	525	12/04/95
<i>AK</i>	A44	5,774,666	06/30/98	Portuesi	395	200.48	10/18/96
<i>AK</i>	A45	5,786,855	07/28/98	Chen et al.	348	391	10/26/95
<i>AK</i>	A46	5,805,204	09/08/98	Thompson et al.	348	13	02/20/97
<i>AK</i>	A47	5,815,634	09/29/98	Daum et al.	386	96	12/14/94
<i>AK</i>	A48	5,848,352	12/08/98	Dougherty et al.	455	5.1	04/26/95
<i>AK</i>	A49	5,861,881	01/19/99	Freeman et al.	345	302	02/08/96
<i>AK</i>	A50	5,903,816	05/11/99	Broadwin et al.	455	3.1	07/01/96
<i>AK</i>	A51	5,905,523	05/18/99	Woodfield et al.	348	12	06/28/96

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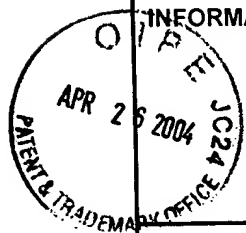
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<i>AK</i>	A52	5,907,322	05/25/99	Kelly et al.	345	327	10/16/96
<i>AK</i>	A53	5,918,012	06/29/99	Astiz et al.	395	200.47	03/29/96
<i>AK</i>	A54	5,926,172	07/20/99	Hanley	345	210	09/23/97
<i>AK</i>	A55	5,930,797	07/27/99	Hill	707	101	05/15/97
<i>AK</i>	A56	5,946,318	08/31/99	Post	370	412	03/21/97
<i>AK</i>	A57	5,949,410	09/07/99	Fung	345	302	10/18/96
<i>AK</i>	A58	5,949,476	09/07/99	Pocock et al.	348	24	10/20/93
<i>AK</i>	A59	5,961,603	10/05/99	Kunkel et al.	709	229	10/22/97
<i>AK</i>	A60	5,969,715	10/19/99	Dougherty et al.	345	327	07/06/98
<i>AK</i>	A61	5,977,962	11/02/99	Chapman et al.	345	327	10/18/96
<i>AK</i>	A62	5,977,989	11/02/99	Lee et al.	345	503	09/02/97
<i>AK</i>	A63	5,990,890	11/23/99	Etheredge	345	347	08/25/97
<i>AK</i>	A64	5,991,799	11/23/99	Yen et al.	709	218	12/20/96
<i>AK</i>	A65	5,999,970	12/07/99	Krisbergh et al.	709	217	04/10/96
<i>AK</i>	A66	6,002,455	12/14/99	Enomoto et al.	348	845.2	07/07/98
<i>AK</i>	A67	6,006,241	12/21/99	Purnaveja et al.	707	512	03/14/97
<i>AK</i>	A68	6,006,256	12/21/99	Zdepski et al.	709	217	03/11/96
<i>AK</i>	A69	6,006,265	12/21/99	Rangan et al.	709	226	04/02/98
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	C2	Bove, et al., "Adding Hyperlinks to Digital Television", Pgs. 795-801, SMPTE Journal, SMPTE Inc. Scarsdale, N.Y., US, Vol. 108, No. 11, November 1999
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	C6	Dakss, et al., "Hyperlinked Video", pgs. 2-10, Proceedings of the SPIE Conference on Multimedia Systems and Applications, November 1998, Boston
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Applicant(s)

Paul Milazzo, et al.

Group Art Unit

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Examiner Name

Andrew Y. Koenig

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
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